

Section 08210, WOOD DOORS
NNJ07182243R

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SECTION 08210

WOOD DOORS
06/04

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this section to the extent referenced:

WINDOWS AND DOOR MANUFACTURERS ASSOCIATION (WDMA)

NWWDA I.S. 1 (1999) Wood Flush Doors

1.2 SUBMITTALS

The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES in sufficient detail to show full compliance with the specification:

SD-02 Shop Drawings

Fabrication drawings shall show locations and dimensions for the following items:

Solid Core Doors
Fire-Rated Labeled Doors

Installation drawings shall be submitted for the following items:

Door Louvers

SD-03 Product Data

Manufacturer's catalog data shall be submitted for the following items:

Solid Core Doors
Fire Rated Labeled Doors
Facing
Door Louvers

SD-03 Product Data

Manufacturer's data indicating recycled content; indicate percentage of pre-consumer and post-consumer recycled content as required by LEED for the following materials:

Glass-cement Composite countertops and backsplashes, by weight.

Product data with Letter of Certification(s) for Sustainable Forestry showing that all wood used for Finish Carpentry came from a "Certified Forest" as follows:

Forest Stewardship Council (FSC): Provide letter of certification signed by lumber supplier. Indicate compliance with FSC "Principles for Natural Forest Management" and identify certifying organization.

Submit FSC certification numbers; identify each certified product on a line-item basis.

Submit copies of invoices bearing the FSC certification numbers.

Submit required LEED data for Local/Regional Materials, as follows:

Indicate location of manufacturing facility; indicate distance between manufacturing facility and the project site

Indicate location of extraction, harvesting, and recovery; indicate distance between extraction, harvesting, and recovery and the project site.

Submit proof of low VOC data for the adhesives used as follows:

Submit manufacturer's product data for adhesives. Indicate VOC limits of the product. Submit MSDS highlighting VOC limits.

Submit Green Seal Certification to GS-36 and description of the basis for certification.

SD-07 Certificates

Certificates shall be submitted for the following items showing conformance with referenced standards contained in this section.

Solid Core Doors

Fire Rated Labeled Doors

PART 2 PRODUCTS

2.1 GENERAL

Doors shall comply with the requirements of NWWDA I.S. 1, and as specified.

Resource Management Lumber for Core, Stile and Rail, and Wood Veneer:

Virgin Lumber: Lumber fabricated from old growth timber is not permitted. Provide sustainably harvested; certified or labeled in accordance with FSC guidelines.

Salvaged Lumber: Lumber from deconstruction or demolition of existing buildings or structures. Unless otherwise noted, salvaged lumber shall be delivered clean, denailed, and free of paint and finish materials, and other contamination.

Recovered Lumber: Previously harvested lumber pulled from riverbeds or otherwise abandoned. Unless otherwise noted, recovered lumber shall be delivered clean and free of contamination.

Adhesives for factory fabrication: Toxicity/IEQ: Comply with applicable regulations regarding toxic and hazardous materials, GS-36 for Commercial Adhesive, VOC's of adhesives shall not exceed 30 g/L.

2.1.1 Solid Core Doors

Solid core wood flush doors shall be 5-ply, glue block core, or 7-ply MAT-formed particle board core.

2.1.2 Fire-Rated Labeled Doors

Fire-rated doors and frames shall be the types that have been investigated and fire tested as a fire door assembly, complete with the type of fire-door hardware to be used in the work. Fire-rated doors and frames shall be labeled. The labels shall indicate the applicable fire rating of the door construction provided.

2.2 FACING

Facings indicated as "paint finish" shall be sound grade, conforming to NWWDA I.S. 1.

Facings indicated as stain-transparent finish shall be premium grade conforming to NWWDA I.S. 1. Face veneer and veneer cut shall be:

Natural Maple, Plain Slice. Facings fabricated from old growth timber is **NOT** permitted. Provide sustainably harvested; certified or labeled in accordance with FSC or SFI guidelines.

2.3 CUTOUT OPENINGS

Cutout openings for lights and louvers shall be made in accordance with NWWDA I.S. 1.

2.4 DOOR LOUVERS

Louvers and frames shall be per schedule on the drawings.

2.5 BEVELING AND FITTING

Beveling and standard prefitting of wood doors shall be in accordance with NWWDA I.S. 1.

2.6 EDGE SEALING

Top and bottom edges of doors and surfaces of all cutouts shall be factory-sealed against moisture penetration.

Edges and cutouts of exterior out-swinging wood doors shall be factory sealed to preclude moisture penetration. Top and bottom rails and sills of cutouts shall receive factory-installed aluminum flashing.

2.7 DOOR FINISHING

Doors to receive a job-site-applied finish shall be clean and sanded smooth to remove handling and storage marks, raised grain, minor surface marks, and abrasions and shall be left ready for finishing as specified in Section 09920 ARCHITECTURAL PAINTING.

PART 3 EXECUTION

3.1 GENERAL

Doors shall be accurately installed in framed openings and shall maintain the specified clearances and tolerances.

Finish Hardware sets shall be installed in accordance with the approved hardware schedule and the approved drawings. Hardware shall be temporarily removed as required for job-site finishing.

After finish painting has been completed, hardware and accessories shall be reinstalled and final adjustments made for proper door operation.

3.2 ACCEPTANCE PROVISIONS

Doors will be checked by the Contracting Officer for warp, twist, delamination, and manufacturing and installation defects. Doors exhibiting defects and doors outside the tolerances listed in NWWDA I.S. 1 shall be removed and replaced with new doors.

3.3 WASTE MATERIALS

Extra materials, packaging, and waste materials shall all be sorted and recycled per Section 01351 "Waste Management".

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